

determine a 3D frame of reference for the device based, at least in part, on the received positional data;  
receive optical data from one or more optical sensors disposed within the device;  
determine a lighting condition in the environment of a user and a position of the user's eyes based, at least in part, on the received optical data; and  
generate a virtual 3D depiction of at least one graphical user interface object on a display of the device, wherein the at least one graphical user interface object is represented in a virtual 3D operating system environment,  
wherein the instructions to generate are based, at least in part, on the determined 3D frame of reference, the lighting condition in the environment of the user, and the position of the user's eyes.

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